

FIG. 1 PRIOR ART

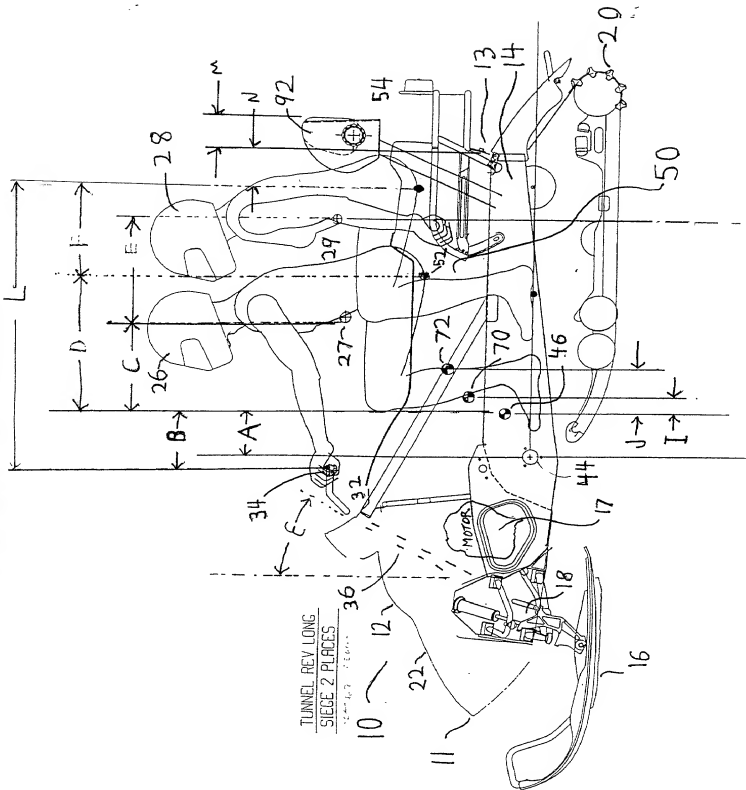
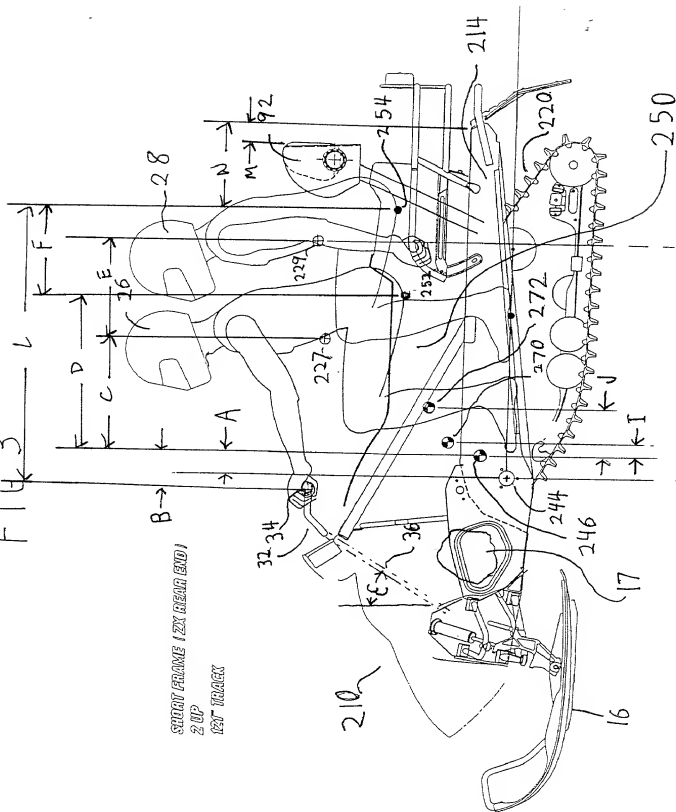
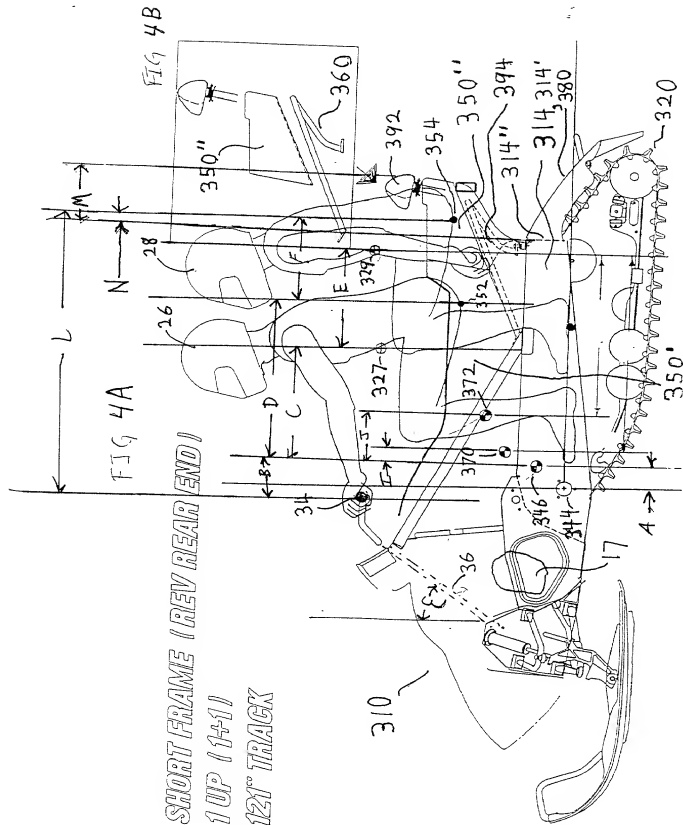
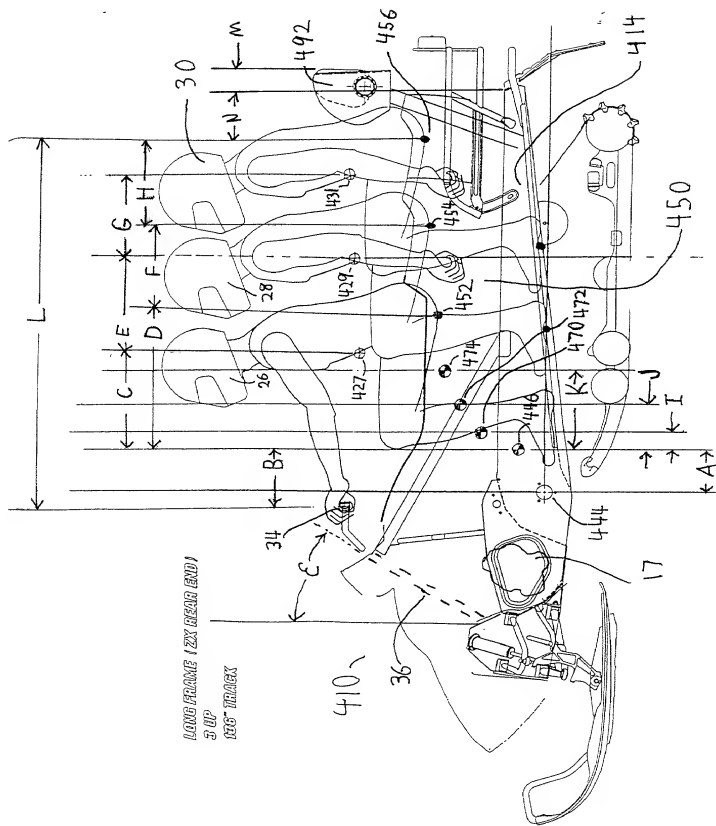


FIG 3







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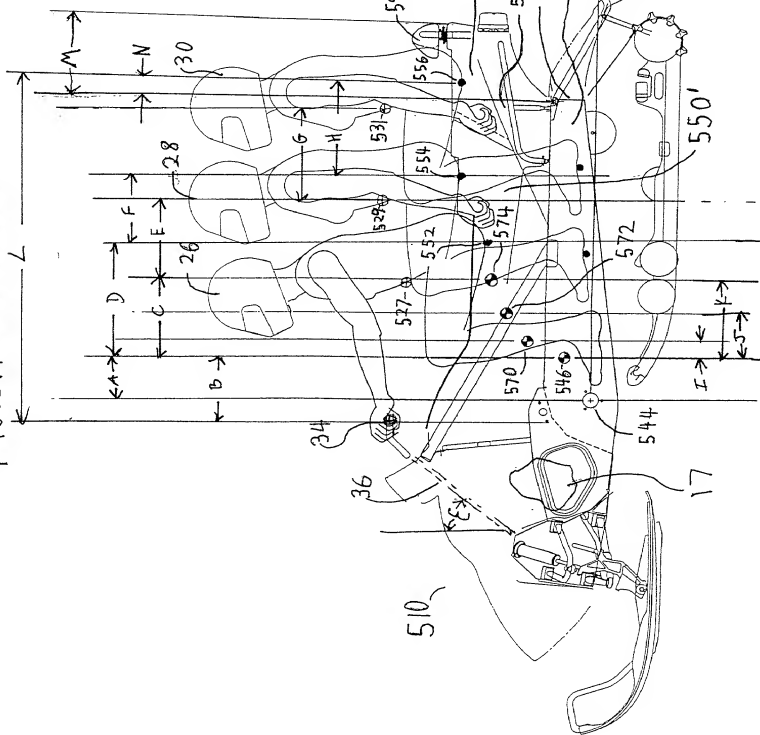
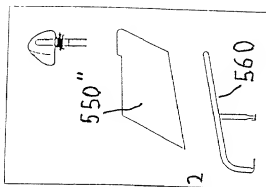
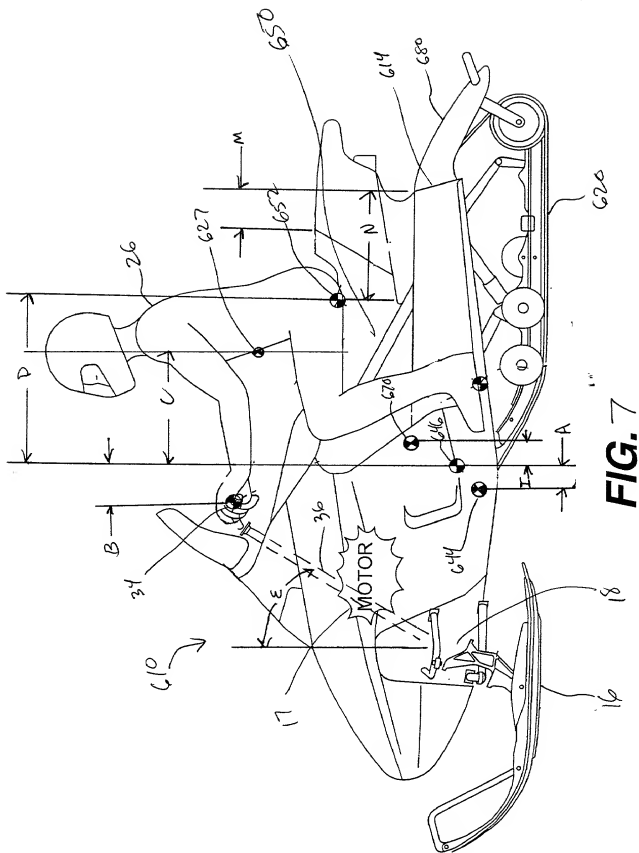


FIG. 6B





Distance (mm)			Conventional			VEHICLE INVENTION					
ref #	from:	to (going back):	Conventional		1st Embodiment 2-up Long (FIG. 2)	2nd Embodiment 2-up Short (FIG. 3)	3rd Embodiment 1+1 Short (FIG. 4A)	4th Embodiment 3-up Long (FIG. 5)	5th Embodiment 2+1 Long (FIG. 6A)	6th Embodiment 1-Up (FIG. 7)	
			Long	Short							
A	forward axle	CG(vehicle)	110	30	65	95	95	170	170	95	
B	steering pos.	CG(vehicle)	-160	-240	130	160	160	235	235	160	
C	CG(vehicle)	CG(rider 1)	645	725	350	320	320	245	245	320	
D	CG(vehicle)	seat pos (1)	795	875	500	470	470	395	395	470	
E	CG (rider 1)	CG(rider 2)	370	370	370	370	370	370	370	N/A	
F	seat pos(1)	seat pos(2)	340	340	340	340	340	340	290	N/A	
G	CG(rider 2)	CG(rider 3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A	
H	seat pos(2)	seat pos(3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A	
I	CG(vehicle)	CG (V+1 rider)	180	160	70	50	50	60	70	50	
J	CG(vehicle)	CG (V+2 riders)	290	280	175	190	190	170	170	N/A	
K	CG(vehicle)	CG (V+3 riders)	N/A	N/A	N/A	N/A	N/A	300	300	N/A	
L	steer pos.	rear seat pos.	975	975	970	970	970	1280	1265	N/A	
M	back of frame	back of seat	-50	0	100	-100	230	60	290	-110	
N	back of frame	rear seat pos.	-290	-120	-130	-340	80	-200	60	-260	
Angles (degrees)											
epsilon vert. and steering shaft			>=45	>=45	ALL < 45, preferably 25-40, more preferably 30-35, most preferably 33						





FIG. 10

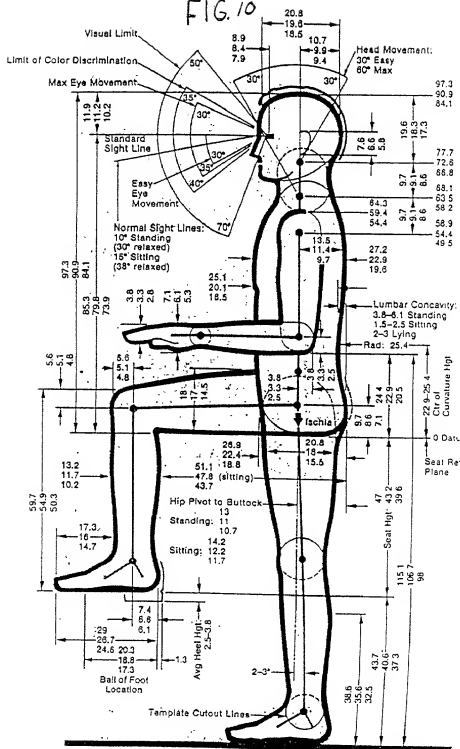


FIG. 11 A

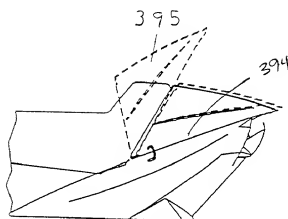


FIG. 11 B

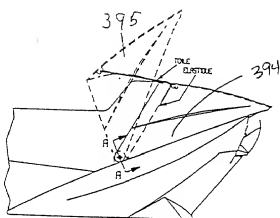


FIG. 11 C

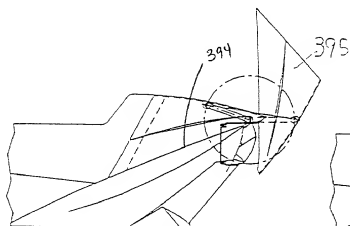


FIG. 11 D

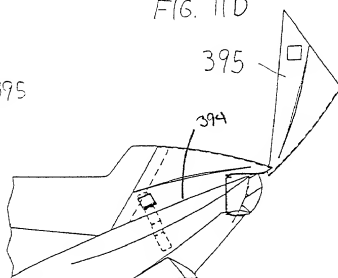


FIG. 12A

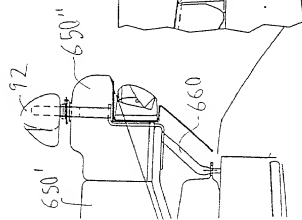


FIG. 12B

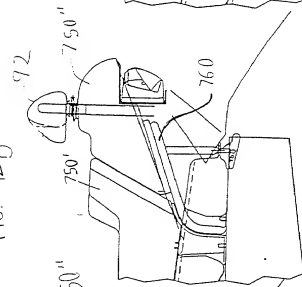


FIG. 12C

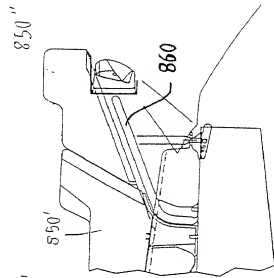


FIG. 12D

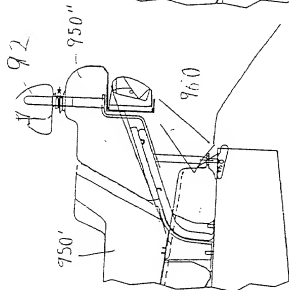


FIG. 12E

